

Table 1.1. Installed generating capacity by fuel type: India, Case 1 (Comparative Reference case)

gigawatts

fuel	2019	2025	2030	2035	2040	2045	2050	Average annual percent change, 2019-2050
Liquids-fired	4.6	4.1	2.7	1.6	1.2	1.2	1.2	-4.3
Natural-gas-fired	25.8	23.0	21.4	21.4	21.4	21.4	21.4	-0.6
Coal-fired	272.8	301.1	301.8	301.8	301.8	301.8	301.8	0.3
Nuclear	6.2	9.0	12.0	13.2	18.4	22.0	26.0	4.7
Renewables								
Biomass	1.2	9.9	9.9	9.9	9.9	9.9	9.9	7.2
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hydro	40.1	72.3	89.8	94.8	99.7	104.7	109.7	3.3
Solar	25.7	141.4	189.3	280.9	506.0	870.5	1373.4	13.7
Waste	0.1	5.4	5.4	5.4	5.4	5.4	5.4	13.7
Wind	55.8	57.9	79.1	125.1	220.1	309.5	313.2	5.7
Other renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total renewables	122.8	286.9	373.4	516.1	841.1	1300.1	1811.7	9.1
Total	432.3	624.0	711.2	854.1	1183.9	1646.4	2162.1	5.3

Totals may not equal sum of components as a result of independent rounding.

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2020)

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Table 1.2. Net electricity generation by fuel type: India, Case 1 (Comparative Reference case)

billion kilowatthours

fuel	2019	2025	2030	2035	2040	2045	2050	Average annual percent change, 2019-2050
Liquids-fired	12.0	9.1	4.6	1.3	0.0	0.0	0.0	-21.4
Natural-gas-fired	68.4	53.6	47.2	47.2	47.2	47.2	47.2	-1.2
Coal-fired	1202.5	1061.0	1346.1	1655.4	1715.1	1653.6	1678.1	1.1
Nuclear	36.1	51.9	69.3	76.4	106.4	127.7	150.8	4.7
Renewables								
Biomass	0.0	11.4	10.6	5.6	4.6	7.2	9.4	infinity
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hydro	123.0	221.9	275.7	291.0	306.3	321.6	336.9	3.3
Solar	45.5	327.5	440.6	657.4	1189.4	2051.0	3240.2	14.7
Waste	0.0	9.5	9.0	6.2	3.9	5.7	8.0	infinity
Wind	143.5	172.4	224.9	339.4	578.3	802.1	811.3	5.7
Other renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total renewables	312.0	742.6	960.8	1299.5	2082.5	3187.6	4405.6	8.9
Total	1630.9	1918.3	2427.9	3079.8	3951.2	5016.0	6281.7	4.4

Totals may not equal sum of components as a result of independent rounding.

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2020)

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